# Warranty Terms

NTI guarantees the MiniSPL and its components against defects in material or workmanship for a period of **one year** from the date of original purchase, and agrees to repair or to replace at its discretion any defective unit at no cost for either parts or labor during this period.
This warranty does not cover damages caused through accidents, misuse, lack of care, transit, the attachment or installation of any components that were not provided with the product, loss of parts, connecting the instrument to a power supply, input signal voltage or connector type other than specified, or wrongly polarized batteries. In particular, no responsibility is granted for special, incidental or consequential damages.

This warranty becomes void if servicing or repairs of the product are performed by any party other than an authorized NTI repair center or if the instrument has been opened in a manner other than specified in this manual.

In case of malfunction, take - or ship prepaid - the MiniSPL, packed in the original box, to the authorized NTI representative in your country.

Note:
Be sure to include a copy of your sales invoice as prove of purchase date and a detailed description of the fault.

For contact-details of the NTI representative please see our web page: **www.nt-instruments.com**

# Contact Details


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**The MiniSPL-package includes:**

1x Case MiniSPL
1x MiniSPL, measuring microphone
1x Windscreen
1x Test Certificate with individual frequency response chart
1x Microphone-holder
1x Adapter 5/8“ - 3/8“
1x User Manual MiniSPL


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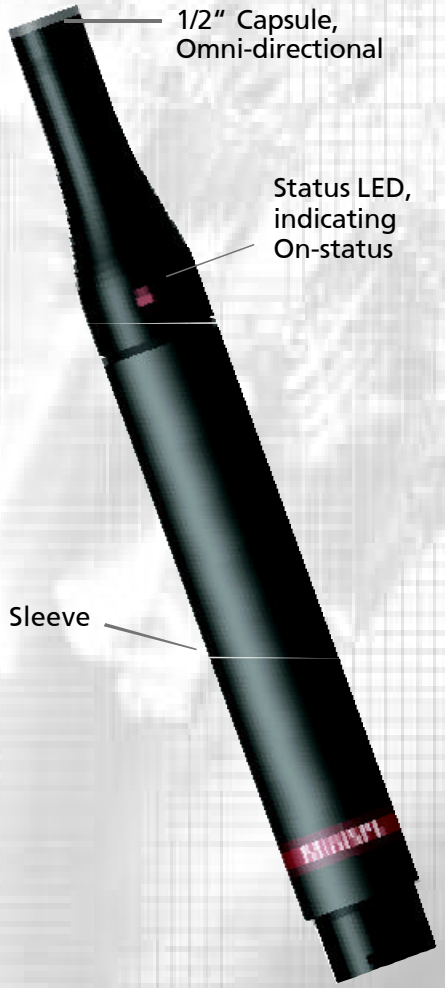
CE 2001

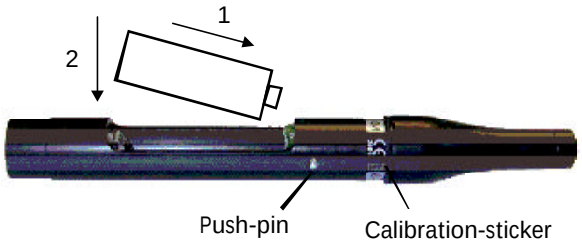

MP 2/01 E 100 N 09.01


# MiniSPL
# User Manual



# How to insert the battery

- To insert the battery, press the push-pin in and slide the sleeve off.
- Insert one 1.5 V AA size battery according to drawing below. The polarity is marked on the sticker inside.




**Note:** **The MiniSPL does not operate without the battery.**

- Close the MiniSPL. Turn the sleeve so that it is locked by the push-pin.

# Notes & Warnings

To avoid any problems during the operation of the instrument, follow the rules listed below:

- Use the instrument for the intended purpose only.
- Never connect the instrument to a high voltage output such as a power amplifier, mains power plug, etc.
- Do not disassemble the instrument.
- Never use the instrument in a wet environment.
- Remove the batteries as soon as they are flat or if the instrument is not intended to be used for a longer period of time.
- The use of rechargeable NiCd- or NiMH-batteries is causing shorter battery lifetime than specified.
- Note the correct polarity of the inserted battery.
- We recommend to calibrate the MiniSPL in yearly intervals to fulfill the specified sensitivity.

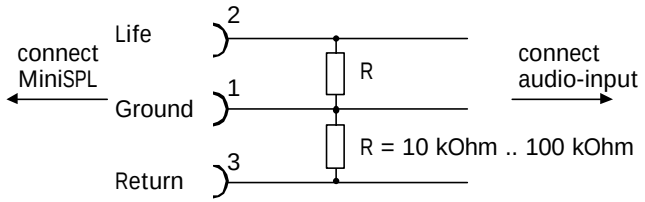
# MiniSPL with Minilyzer ML1

- Connect the MiniSPL to the Minilyzer ML1.
- Approximately ten seconds later the Status-LED will start to flash periodically indicating that the MiniSPL has switched on.
- An empty battery will be indicated by the non-flashing Status-LED.
- Simply unplug the MiniSPL after completed operation. Thus the Status-LED will stop flashing, indicating it is switched off.

# MiniSPL as stand-alone mic

The MiniSPL may be operated as a stand-alone microphone e.g. connected to a balanced audio-line, a microphone-input or a sound-card. In case phantom power is applied the MiniSPL will switch on immediately.

At inputs with high **DC-input resistance** you may find the MiniSPL not switching on or the delay-time until switching on may be too long. In this case you have to build up an adapter according to the below circuit diagram. Please note that both resistance ''R'' should be of equal values within 1% tolerance for perfect signal balancing. At unbalanced inputs the pins 1 and 3 of the adapter need to be shorted.




# Technical Data MiniSPL

| | |
|---|---|
| *Microphone Type* | 1/2", omni-directional, pre-polarized condenser, free field transducer |
| *Sensitivity* | (20 ±2) mV/Pa, (-34 ±1) dBV/Pa @ 1 kHz, 20°C +0.05 $dB_{SPL}$ / °C, balanced out |
| *Frequency Response* | acc. to IEC60651, Type 2, tolerance curve is shown on individual calibration certificate |
| *Peak Acoustic Input* | 130 $dB_{SPL}$ @ 1 kHz |
| *Noise* | 32 $dB_{SPL}$, A-weighted |
| *Output Impedance* | 200 Ohm (XLR balanced) |
| *Power Supply* | 1x AA battery 1.5 V, battery lifetime typical 300 hrs, no phantom power supply, phantom power resistant |
| *Dimensions* | Ø 22 x 180 mm, Ø 0.87" x 7" |
| *Weight* | 100 g ( 3.5 oz ) incl. battery |
| *Temperature* | 0° to +45° C (32° to 113° F) |
| *Humidity* | < 90 % R.H., non condensing |
| *Conforms to the Normative Standards* | EMC-Directives: 89/336, 92/31, 93/68 Harmonized Standards: EN 61326-1 |